

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/351,296DATE: 08/24/1999  
TIME: 16:13:39

INPUT SET: S33043.raw

This Raw Listing contains the General  
Information Section and up to the first 5 pages.

#2 1/2

## SEQUENCE LISTING

ENTERED

1  
2  
3 (1) General Information:  
4  
5 (i) APPLICANT: SEIDEL, Christoph  
6 WEINHUES-THELEN, Ursula-Henrike  
7 SCHMITT, Urban  
8 JUNG, Gnther-Gerhard  
9 IHLENFELDT, HANS-Georg  
10 KRAAS, Wolfgang  
11  
12 (ii) TITLE OF INVENTION: Method for serological typing using  
13 type-specific antigens  
14  
15 (iii) NUMBER OF SEQUENCES: 46  
16  
17 (iv) CORRESPONDENCE ADDRESS:  
18 (A) ADDRESSEE: Nikaido, Marmelstein, Murray & Oram LLP  
19 (B) STREET: 655 Fifteenth Street N.W. Suite 330  
20 (C) CITY: Washington  
21 (D) STATE: D.C.  
22 (E) COUNTRY: U.S.A.  
23 (F) ZIP: 20005-5701  
24  
25 (v) COMPUTER READABLE FORM:  
26 (A) MEDIUM TYPE: Floppy disk  
27 (B) COMPUTER: IBM PC compatible  
28 (C) OPERATING SYSTEM: PC-DOS/MS-DOS  
29 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30  
30  
31 (vi) CURRENT APPLICATION DATA:  
32 (A) APPLICATION NUMBER: 09/351,296  
33 (B) FILING DATE:  
34 (C) CLASSIFICATION:  
35  
36 (vii) PRIOR APPLICATION DATA:  
37 (A) APPLICATION NUMBER: 08/845,926  
38 (B) FILING DATE:  
39  
40 (vii) PRIOR APPLICATION DATA:  
41 (A) APPLICATION NUMBER: DE 195 04 302.2  
42 (B) FILING DATE: 09-FEB-1995  
43  
44 (viii) ATTORNEY/AGENT INFORMATION:  
45 (A) NAME: Murray, Robert B.  
46 (B) REGISTRATION NUMBER: 22,980

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47  
48 (ix) TELECOMMUNICATION INFORMATION:  
49 (A) TELEPHONE: (202)638-5000  
50 (B) TELEFAX: (202)638-4810  
51  
52  
53 (2) INFORMATION FOR SEQ ID NO: 1:  
54  
55 (i) SEQUENCE CHARACTERISTICS:  
56 (A) LENGTH: 31 amino acids  
57 (B) TYPE: amino acid  
58 (C) STRANDEDNESS:  
59 (D) TOPOLOGY: linear  
60  
61 (ii) MOLECULE TYPE: peptide  
62  
63 (vi) ORIGINAL SOURCE:  
64 (A) ORGANISM: Hepatitis C Virus  
65  
66 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:  
67  
68 Glu Thr His Val Thr Gly Gly Ser Ala Gly His Thr Val Ser Gly Phe  
69 1 5 10 15  
70 Val Ser Leu Leu Ala Pro Gly Ala Lys Gln Asn Val Gln Leu Ile  
71 20 25 30  
72  
73  
74 (2) INFORMATION FOR SEQ ID NO: 2:  
75  
76 (i) SEQUENCE CHARACTERISTICS:  
77 (A) LENGTH: 31 amino acids  
78 (B) TYPE: amino acid  
79 (C) STRANDEDNESS:  
80 (D) TOPOLOGY: linear  
81  
82 (ii) MOLECULE TYPE: peptide  
83  
84 (vi) ORIGINAL SOURCE:  
85 (A) ORGANISM: Hepatitis C Virus  
86  
87 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:  
88  
89 Glu Thr His Val Thr Gly Gly Asn Ala Gly Arg Thr Thr Ala Gly Leu  
90 1 5 10 15  
91  
92 Val Gly Leu Leu Thr Pro Gly Ala Lys Gln Asn Ile Gln Leu Ile  
93 20 25 30  
94  
95  
96 (2) INFORMATION FOR SEQ ID NO: 3:  
97  
98 (i) SEQUENCE CHARACTERISTICS:  
99 (A) LENGTH: 31 amino acids

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100 (B) TYPE: amino acid  
101 (C) STRANDEDNESS:  
102 (D) TOPOLOGY: linear  
103  
104 (ii) MOLECULE TYPE: peptide  
105  
106 (vi) ORIGINAL SOURCE:  
107 (A) ORGANISM: Hepatitis C Virus  
108  
109 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:  
110  
111 His Thr Arg Val Thr Gly Gly Val Gln Gly His Val Thr Ser Thr Leu  
112 1 5 10 15  
113  
114 Thr Ser Leu Phe Arg Pro Gly Ala Ser Gln Lys Ile Gln Leu Val  
115 20 25 30  
116  
117  
118 (2) INFORMATION FOR SEQ ID NO: 4:  
119  
120 (i) SEQUENCE CHARACTERISTICS:  
121 (A) LENGTH: 31 amino acids  
122 (B) TYPE: amino acid  
123 (C) STRANDEDNESS:  
124 (D) TOPOLOGY: linear  
125  
126 (ii) MOLECULE TYPE: peptide  
127  
128 (vi) ORIGINAL SOURCE:  
129 (A) ORGANISM: Hepatitis C Virus  
130  
131  
132 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:  
133  
134 His Thr His Val Thr Gly Gly Arg Val Ala Ser Ser Thr Gln Ser Leu  
135 1 5 10 15  
136  
137 Val Ser Trp Leu Ser Gln Gly Pro Ser Gln Lys Ile Gln Leu Val  
138 20 25 30  
139  
140  
141 (2) INFORMATION FOR SEQ ID NO: 5:  
142  
143 (i) SEQUENCE CHARACTERISTICS:  
144 (A) LENGTH: 31 amino acids  
145 (B) TYPE: amino acid  
146 (C) STRANDEDNESS:  
147 (D) TOPOLOGY: linear  
148  
149 (ii) MOLECULE TYPE: peptide  
150  
151 (vi) ORIGINAL SOURCE:  
152 (A) ORGANISM: Hepatitis C Virus

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153  
154 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:  
155  
156 Asp Thr His Val Thr Gly Gly Ala Gln Ala Lys Thr Thr Asn Arg Leu  
157 1 5 10 15  
158  
159 Val Ser Met Phe Ala Ser Gly Pro Ser Gln Lys Ile Gln Leu Ile  
160 20 25 30  
161  
162  
163 (2) INFORMATION FOR SEQ ID NO: 6:  
164  
165 (i) SEQUENCE CHARACTERISTICS:  
166 (A) LENGTH: 31 amino acids  
167 (B) TYPE: amino acid  
168 (C) STRANDEDNESS:  
169 (D) TOPOLOGY: linear  
170  
171 (ii) MOLECULE TYPE: peptide  
172  
173 (vi) ORIGINAL SOURCE:  
174 (A) ORGANISM: Hepatitis C Virus  
175  
176  
177 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:  
178  
179 Glu Thr His Val Thr Gly Gly Ser Ala Gly His Thr Val Ser Gly Phe  
180 1 5 10 15  
181  
182 Val Ser Leu Leu Ala Pro Gly Ala Lys Gln Asn Val Gln Leu Ile  
183 20 25 30  
184  
185  
186 (2) INFORMATION FOR SEQ ID NO: 7:  
187  
188 (i) SEQUENCE CHARACTERISTICS:  
189 (A) LENGTH: 31 amino acids  
190 (B) TYPE: amino acid  
191 (C) STRANDEDNESS:  
192 (D) TOPOLOGY: linear  
193  
194 (ii) MOLECULE TYPE: peptide  
195  
196 (vi) ORIGINAL SOURCE:  
197 (A) ORGANISM: Hepatitis C Virus  
198  
199 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:  
200  
201 Gln Thr His Thr Val Gly Gly Ser Thr Ala His Asn Ala Arg Thr Leu  
202 1 5 10 15  
203  
204 Thr Gly Met Phe Ser Leu Gly Ala Arg Gln Lys Ile Gln Leu Ile  
205 20 25 30

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206

207

208 (2) INFORMATION FOR SEQ ID NO: 8:

209

210 (i) SEQUENCE CHARACTERISTICS:

211 (A) LENGTH: 31 amino acids

212 (B) TYPE: amino acid

213 (C) STRANDEDNESS:

214 (D) TOPOLOGY: linear

215

216 (ii) MOLECULE TYPE: peptide

217

218 (vi) ORIGINAL SOURCE:

219 (A) ORGANISM: Hepatitis C Virus

220

221

222 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:

223

224 Thr Thr Tyr Ser Ser Gly Gln Glu Ala Gly Arg Thr Val Ala Gly Phe

225 1 5 10 15

226

227 Ala Gly Leu Phe Thr Thr Gly Ala Lys Gln Asn Leu Tyr Leu Ile

228 20 25 30

229

230

231 (2) INFORMATION FOR SEQ ID NO: 9:

232

233 (i) SEQUENCE CHARACTERISTICS:

234 (A) LENGTH: 31 amino acids

235 (B) TYPE: amino acid

236 (C) STRANDEDNESS:

237 (D) TOPOLOGY: linear

238

239 (ii) MOLECULE TYPE: peptide

240

241 (vi) ORIGINAL SOURCE:

242 (A) ORGANISM: Hepatitis C Virus

243

244 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:

245

246 Ser Thr Gln Val Thr Gly Gly Gln Ala Ala His Thr Val Arg Gly Val

247 1 5 10 15

248

249 Ala Ser Ile Phe Ser Pro Gly Ser Arg Gln Asp Ile Ser Leu Ile

250 20 25 30

251

252

253 (2) INFORMATION FOR SEQ ID NO: 10:

254

255 (i) SEQUENCE CHARACTERISTICS:

256 (A) LENGTH: 31 amino acids

257 (B) TYPE: amino acid

258 (C) STRANDEDNESS:

PAGE: 1

**SEQUENCE VERIFICATION REPORT**  
**PATENT APPLICATION US/09/351,296**

DATE: 08/24/1999  
TIME: 16:13:41

*INPUT SET: S33043.raw*

Line

Error

Original Text

PAGE: 1

**SEQUENCE MISSING ITEM REPORT**  
**PATENT APPLICATION *US/09/351,296***

DATE: 08/24/1999  
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***INPUT SET: S33043.raw***

< < THERE ARE NO ITEMS MISSING > >

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**SEQUENCE CORRECTION REPORT**  
**PATENT APPLICATION US/09/351,296**

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*INPUT SET: S33043.raw*

Line

Original Text

Corrected Text